

Abstract

The integrated bell housing on an engine, carries a supercharger, an alternator, a water pump and a starter. The engine has a crankshaft which is coupled to a flywheel in the casing as is a geared transmission. The flywheel has a first gear and a second gear. The first gear drives a supercharger drive shaft which drives the supercharger. The second gear is coupled to an alternator drive shaft such that the flywheel drives the alternator. A water pump drive shaft is keyed to the crankshaft and is rotatably mounted through the bell housing.

\\Tiger\data share\RCK\CLIENTS\MINOR\6935-0001 pa.wpd